

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051225\
 Data File : VX046131.D
 Acq On : 12 May 2025 12:26
 Operator : JC/MD
 Sample : Q1983-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 OR-636-COMP-01

Quant Time: May 13 03:16:35 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

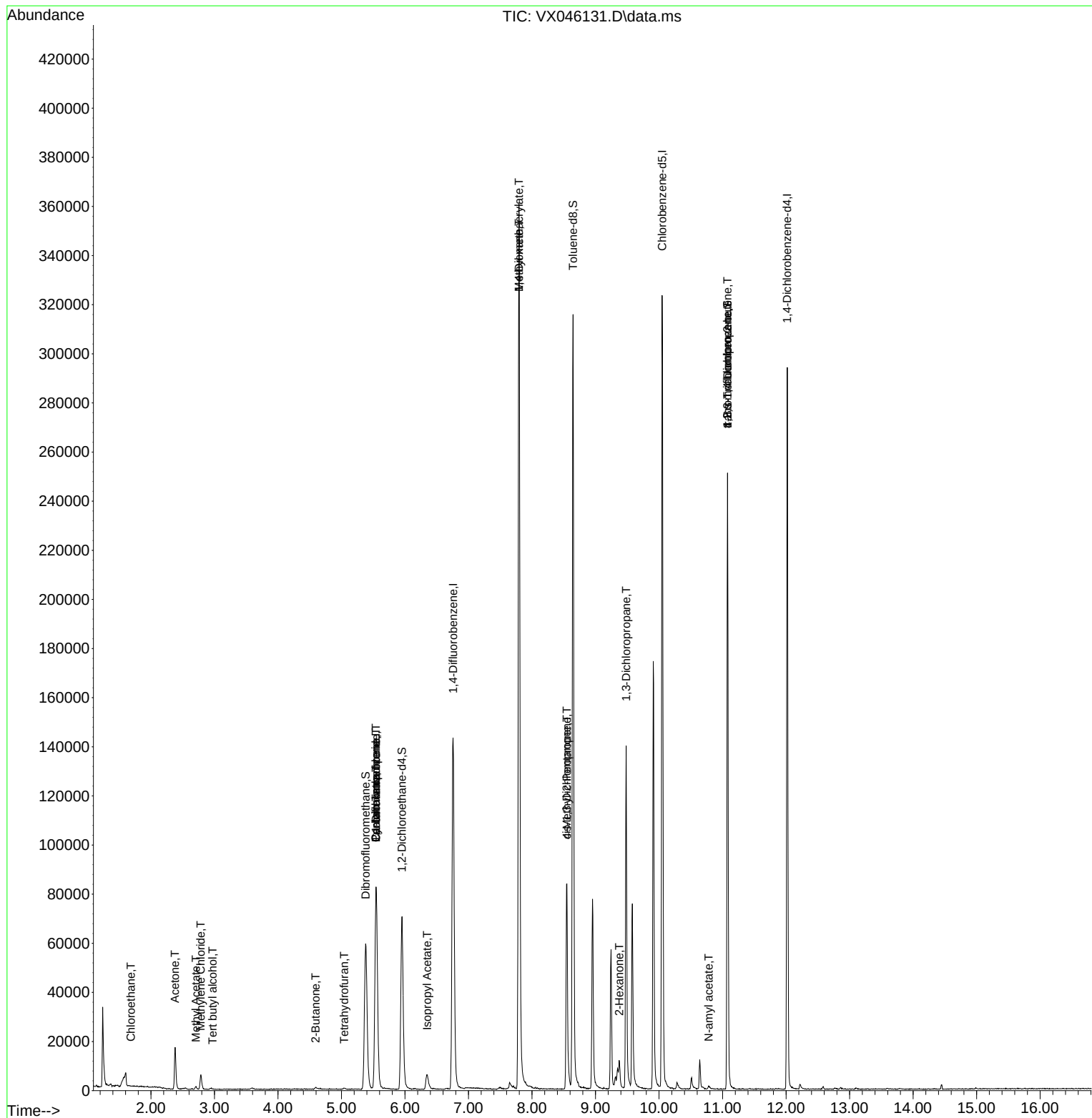
Internal Standards						
1) Pentafluorobenzene	5.544	168	69835	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	139270	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	132799	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	53849	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	70525	54.169	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 108.340%			
35) Dibromofluoromethane	5.379	113	52384	52.233	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.460%			
50) Toluene-d8	8.647	98	178099	51.308	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.620%			
62) 4-Bromofluorobenzene	11.079	95	67060	50.365	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 100.740%			
Target Compounds						Qvalue
6) Chloroethane	1.685	64	143	0.278	ug/l #	44
11) Tert butyl alcohol	2.971	59	113	0.618	ug/l #	72
16) Acetone	2.380	43	18441	35.326	ug/l	97
18) Methyl Acetate	2.709	43	1311	1.082	ug/l	96
20) Methylene Chloride	2.782	84	2691	2.690	ug/l #	90
25) 2-Butanone	4.593	43	1482	1.956	ug/l	98
29) Tetrahydrofuran	5.044	42	507	1.068	ug/l #	50
31) Cyclohexane	5.544	56	2132	1.374	ug/l #	20
36) 1,1-Dichloropropene	5.544	75	7148	5.305	ug/l #	47
38) Carbon Tetrachloride	5.544	117	8362	5.523	ug/l #	16
43) Isopropyl Acetate	6.348	43	9025	3.553	ug/l	100
48) Methyl methacrylate	7.793	41	36669	28.270	ug/l #	50
49) 1,4-Dioxane	7.793	88	26	1.056	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	33813	20.057	ug/l #	52
54) cis-1,3-Dichloropropene	8.549	75	12759	8.519	ug/l #	63
57) 1,3-Dichloropropane	9.482	76	1147	0.669	ug/l #	42
59) 2-Hexanone	9.372	43	10515	8.430	ug/l #	28
74) N-amyl acetate	10.780	43	1228	0.593	ug/l #	46
76) 1,2,3-Trichloropropane	11.079	75	37945	29.275	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	37945	95.309	ug/l #	1

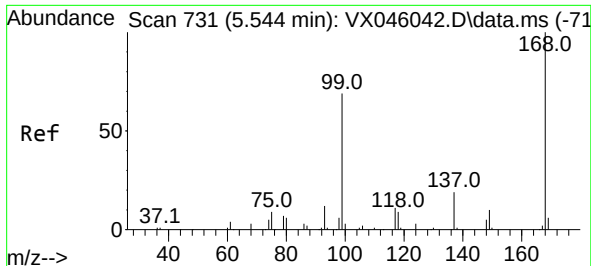
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051225\
Data File : VX046131.D
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Instrument :
MSVOA_X
ClientSampleId :
OR-636-COMP-01

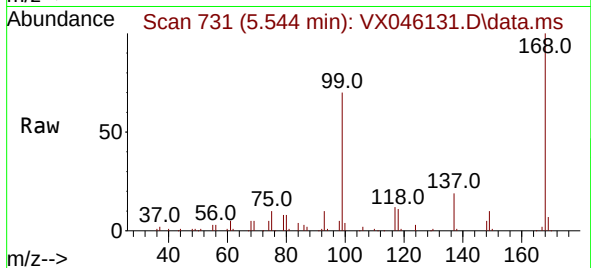
Quant Time: May 13 03:16:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration



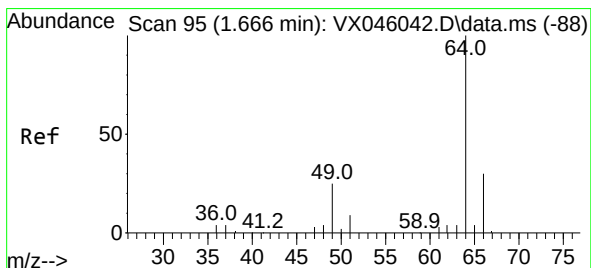
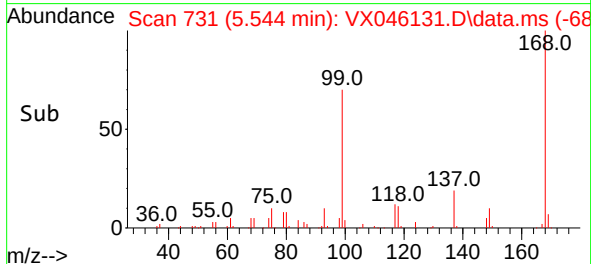
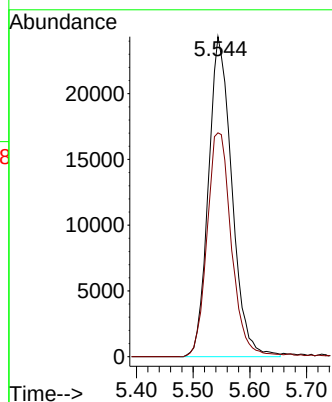


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX046131.D
Acq: 12 May 2025 12:26

Instrument :
MSVOA_X
ClientSampleId :
OR-636-COMP-01

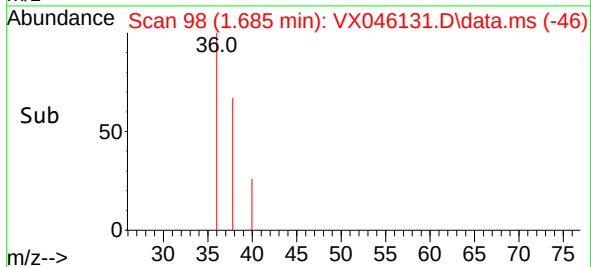
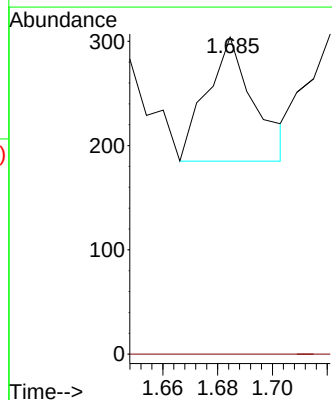
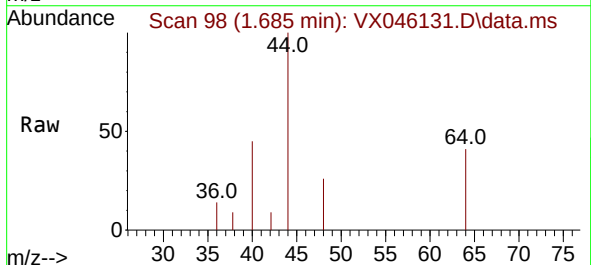


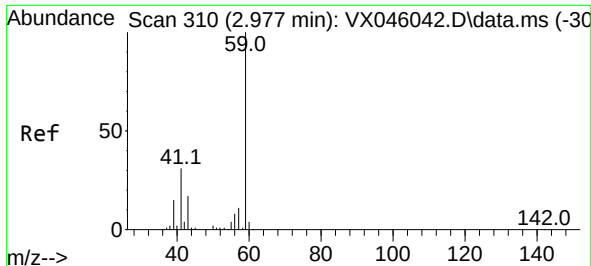
Tgt Ion:168 Resp: 69835
Ion Ratio Lower Upper
168 100
99 70.0 54.9 82.3



#6
Chloroethane
Concen: 0.278 ug/l
RT: 1.685 min Scan# 98
Delta R.T. 0.018 min
Lab File: VX046131.D
Acq: 12 May 2025 12:26

Tgt Ion: 64 Resp: 143
Ion Ratio Lower Upper
64 100
66 0.0 24.3 36.5#

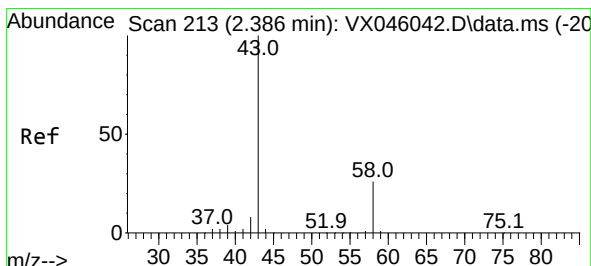
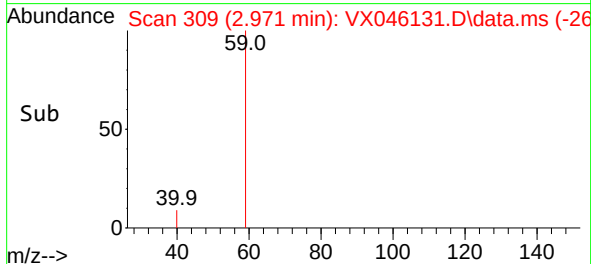
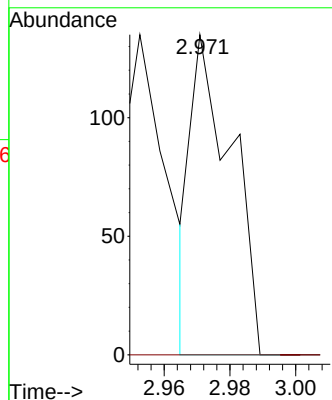
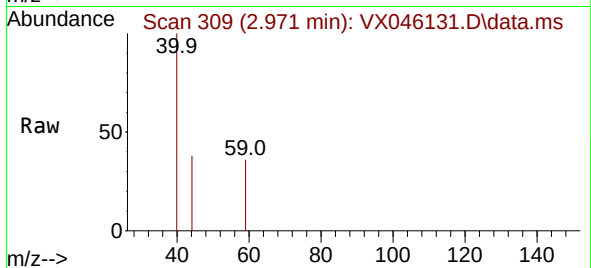




#11
Tert butyl alcohol
Concen: 0.618 ug/l
RT: 2.971 min Scan# 30
Delta R.T. -0.006 min
Lab File: VX046131.D
Acq: 12 May 2025 12:26

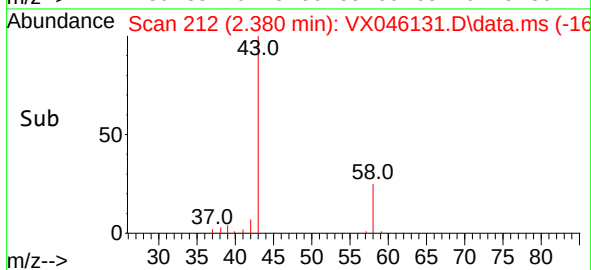
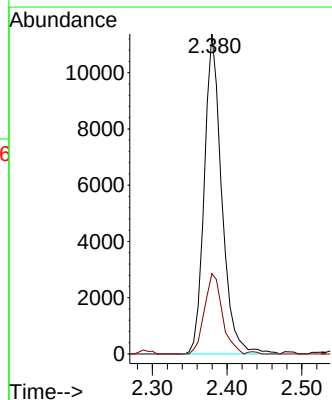
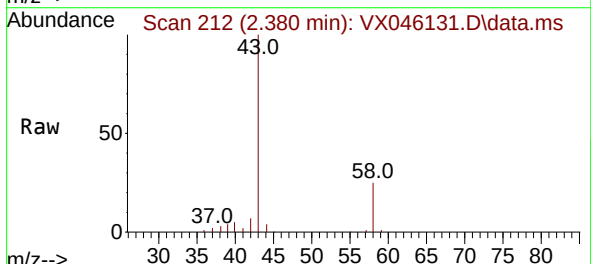
Instrument :
MSVOA_X
ClientSampleId :
OR-636-COMP-01

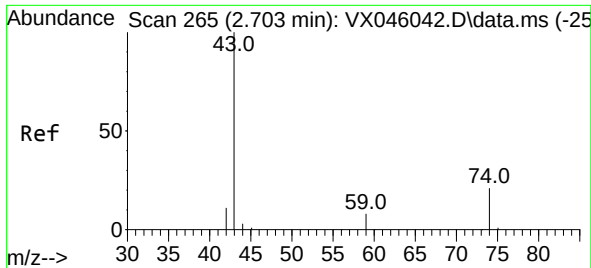
Tgt Ion: 59 Resp: 113
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#16
Acetone
Concen: 35.326 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX046131.D
Acq: 12 May 2025 12:26

Tgt Ion: 43 Resp: 18441
Ion Ratio Lower Upper
43 100
58 25.1 21.2 31.8

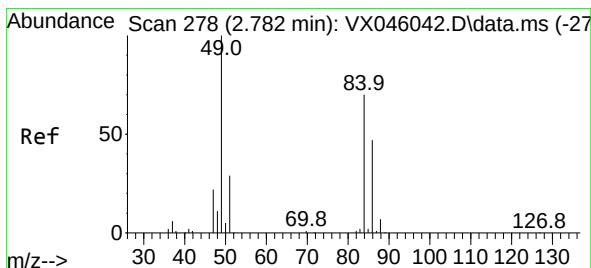
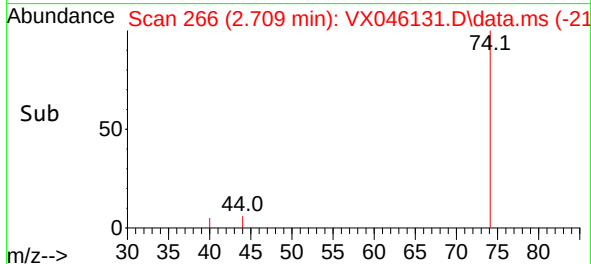
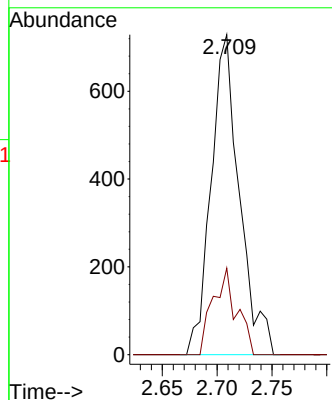
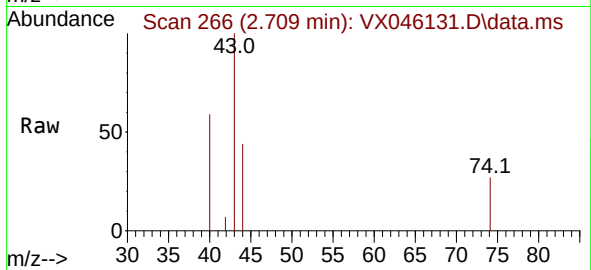




#18
Methyl Acetate
Concen: 1.082 ug/l
RT: 2.709 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX046131.D
Acq: 12 May 2025 12:26

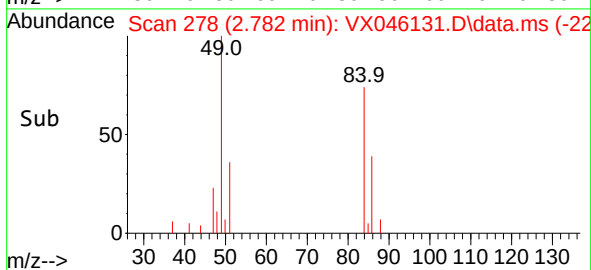
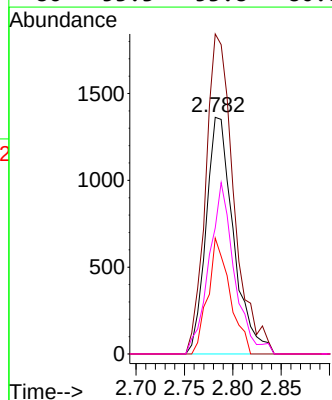
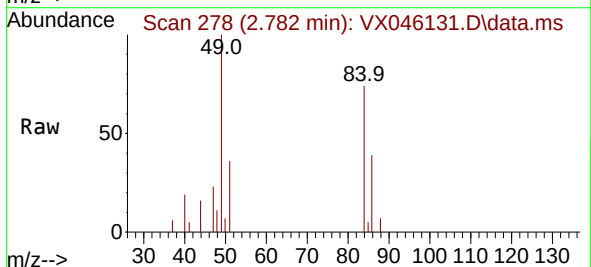
Instrument :
MSVOA_X
ClientSampleId :
OR-636-COMP-01

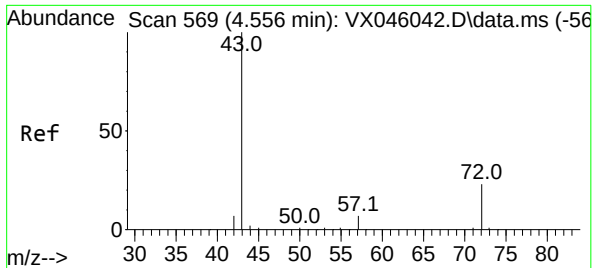
Tgt Ion: 43 Resp: 1311
Ion Ratio Lower Upper
43 100
74 22.6 16.7 25.1



#20
Methylene Chloride
Concen: 2.690 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX046131.D
Acq: 12 May 2025 12:26

Tgt Ion: 84 Resp: 2691
Ion Ratio Lower Upper
84 100
49 135.2 113.9 170.9
51 48.9 33.5 50.3
86 53.3 53.8 80.8#

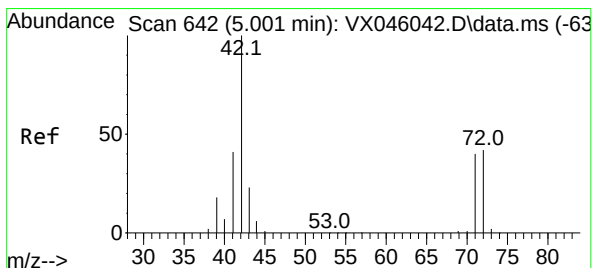
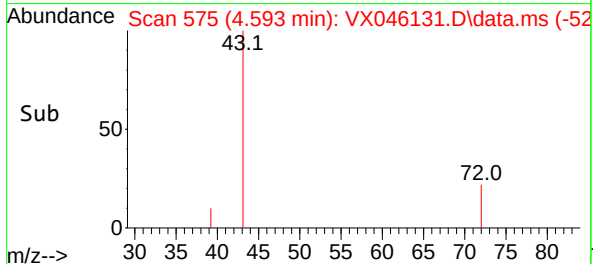
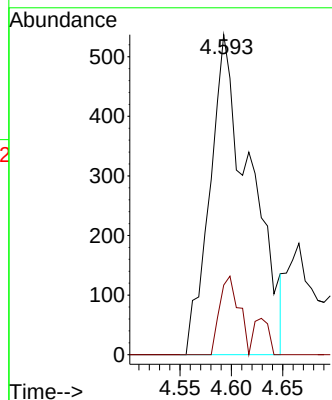
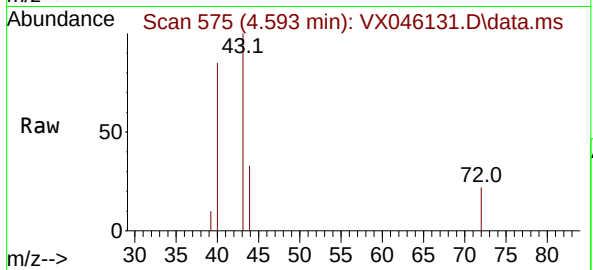




#25
2-Butanone
Concen: 1.956 ug/l
RT: 4.593 min Scan# 51
Delta R.T. 0.036 min
Lab File: VX046131.D
Acq: 12 May 2025 12:26

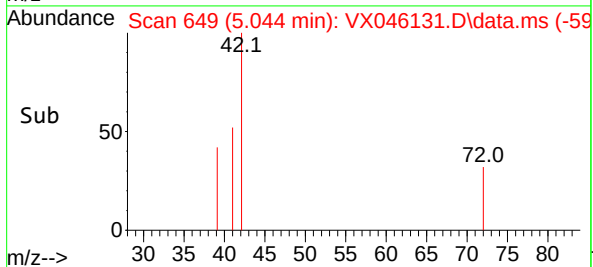
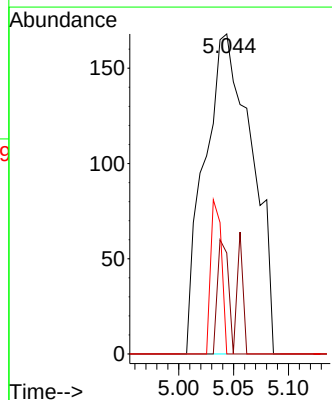
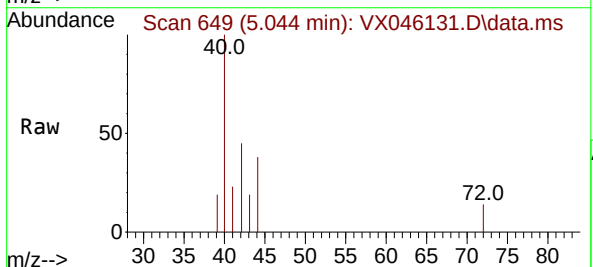
Instrument :
MSVOA_X
ClientSampleId :
OR-636-COMP-01

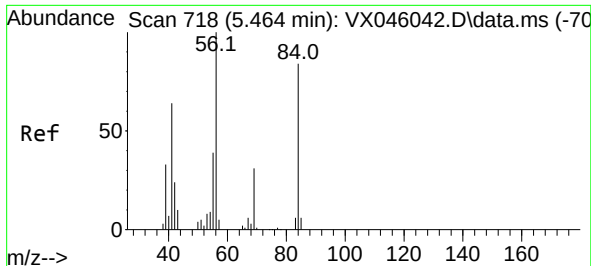
Tgt Ion: 43 Resp: 1482
Ion Ratio Lower Upper
43 100
72 21.8 18.4 27.6



#29
Tetrahydrofuran
Concen: 1.068 ug/l
RT: 5.044 min Scan# 649
Delta R.T. 0.043 min
Lab File: VX046131.D
Acq: 12 May 2025 12:26

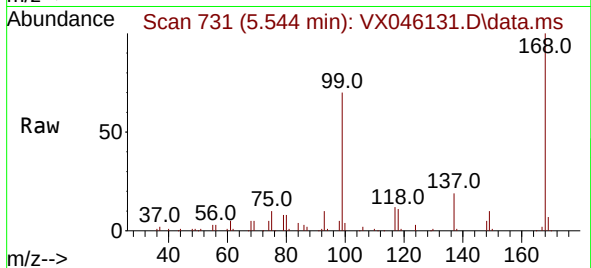
Tgt Ion: 42 Resp: 507
Ion Ratio Lower Upper
42 100
72 8.1 33.7 50.5#
71 10.8 31.4 47.2#



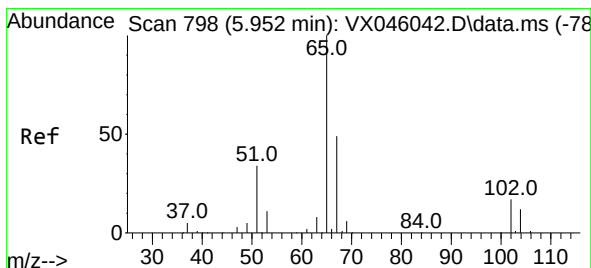
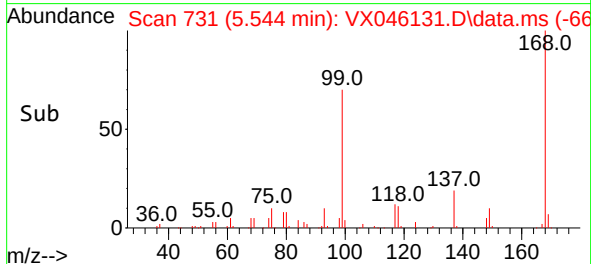
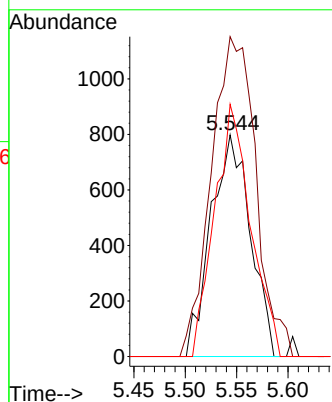


#31
Cyclohexane
Concen: 1.374 ug/l
RT: 5.544 min Scan# 718
Delta R.T. 0.079 min
Lab File: VX046131.D
Acq: 12 May 2025 12:26

Instrument :
MSVOA_X
ClientSampleId :
OR-636-COMP-01

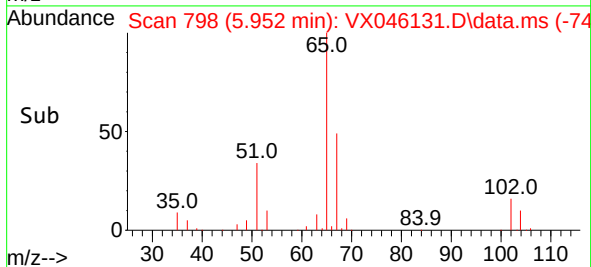
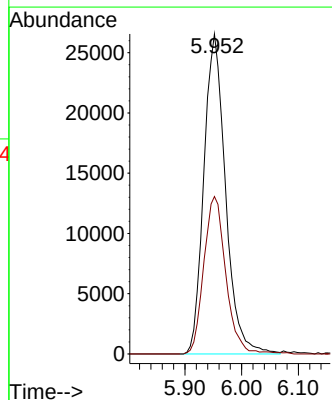
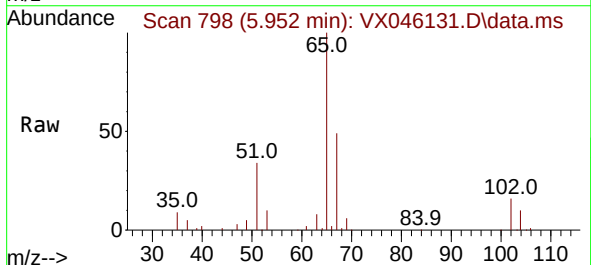


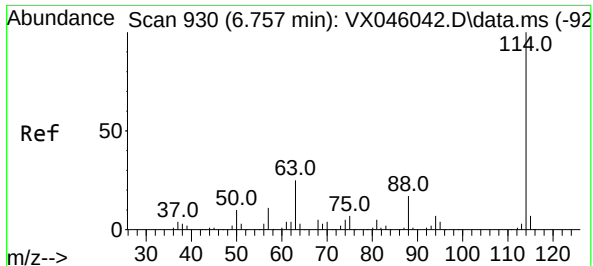
Tgt Ion: 56 Resp: 2132
Ion Ratio Lower Upper
56 100
69 144.4 24.4 36.6#
84 113.8 66.9 100.3#



#33
1,2-Dichloroethane-d4
Concen: 54.169 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX046131.D
Acq: 12 May 2025 12:26

Tgt Ion: 65 Resp: 70525
Ion Ratio Lower Upper
65 100
67 50.2 0.0 99.0

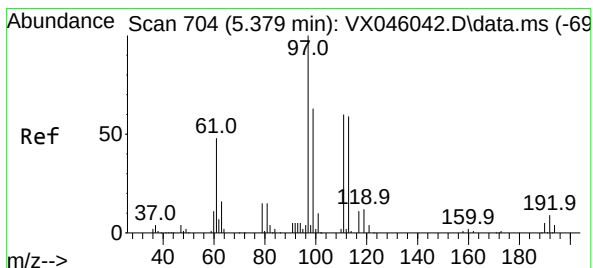
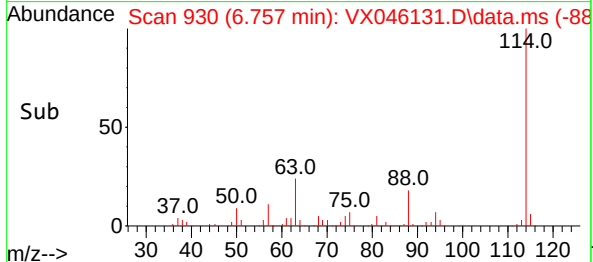
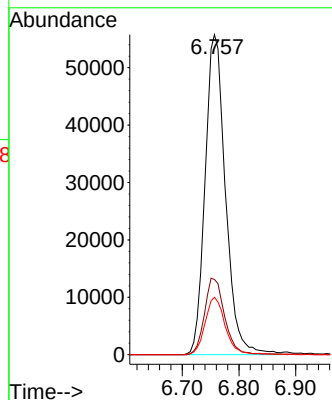
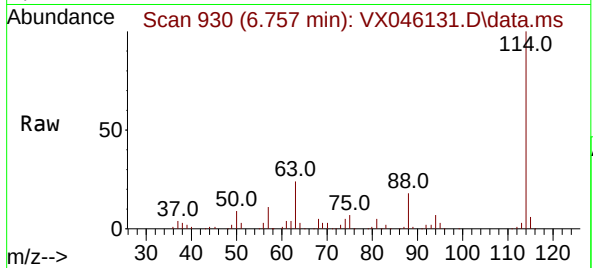




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX046131.D
Acq: 12 May 2025 12:26

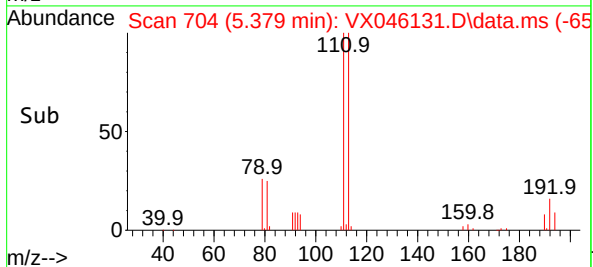
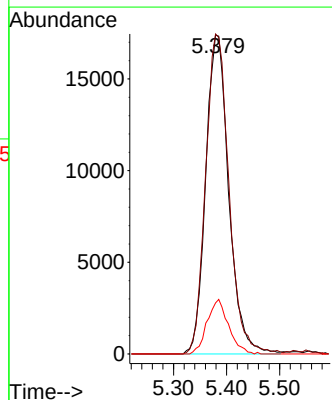
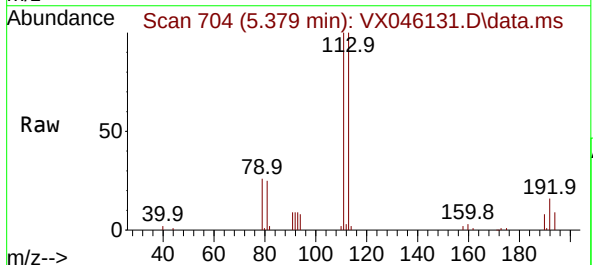
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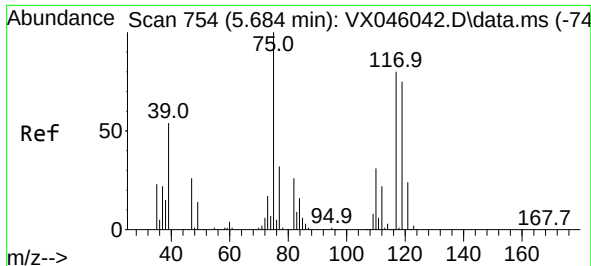
Tgt Ion:114 Resp: 139270
Ion Ratio Lower Upper
114 100
63 23.5 0.0 49.2
88 17.9 0.0 33.6



#35
Dibromofluoromethane
Concen: 52.233 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX046131.D
Acq: 12 May 2025 12:26

Tgt Ion:113 Resp: 52384
Ion Ratio Lower Upper
113 100
111 101.8 83.1 124.7
192 16.0 13.3 19.9

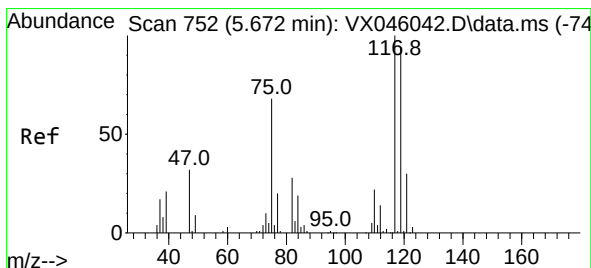
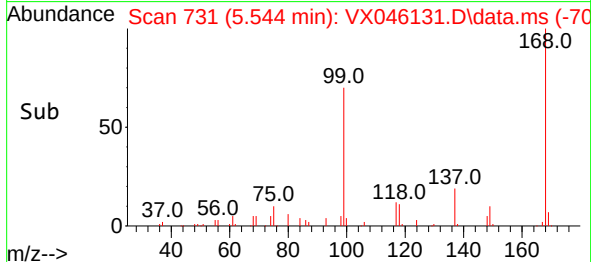
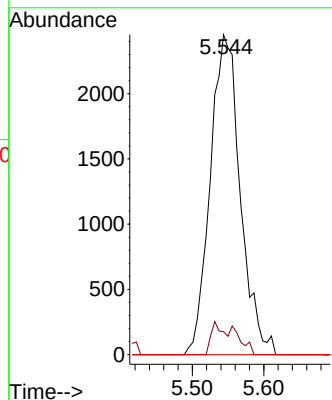
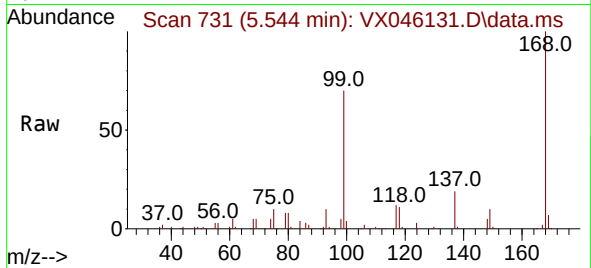




#36
1,1-Dichloropropene
Concen: 5.305 ug/l
RT: 5.544 min Scan# 711
Delta R.T. -0.140 min
Lab File: VX046131.D
Acq: 12 May 2025 12:26

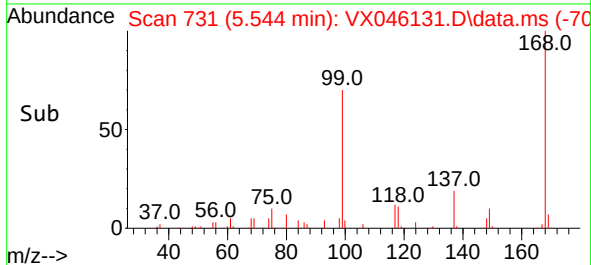
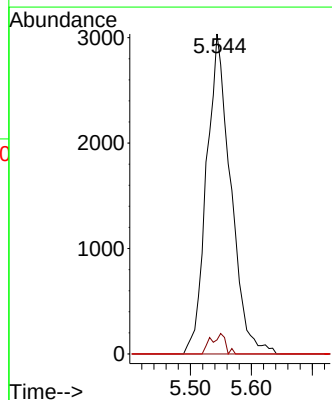
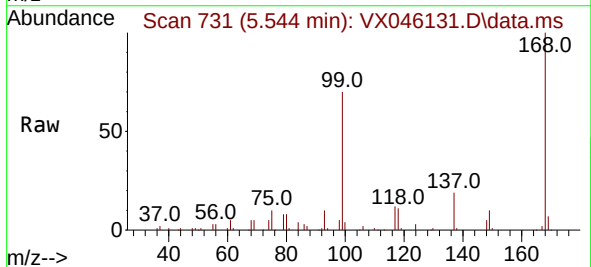
Instrument :
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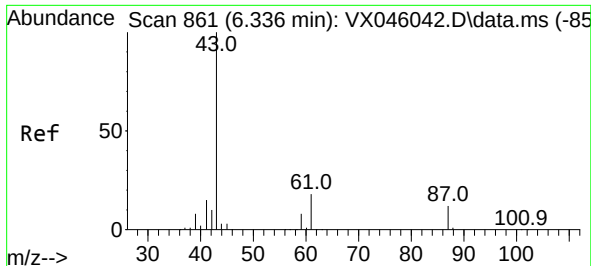
Tgt Ion: 75 Resp: 7148
Ion Ratio Lower Upper
75 100
110 4.6 16.3 48.9#
77 0.0 24.3 36.5#



#38
Carbon Tetrachloride
Concen: 5.523 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.128 min
Lab File: VX046131.D
Acq: 12 May 2025 12:26

Tgt Ion: 117 Resp: 8362
Ion Ratio Lower Upper
117 100
119 4.4 75.2 112.8#
121 0.0 24.2 36.4#

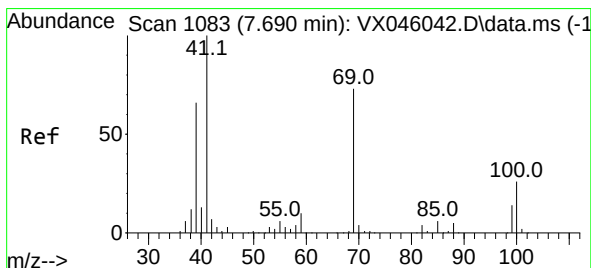
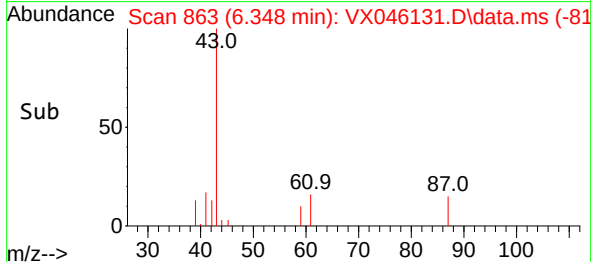
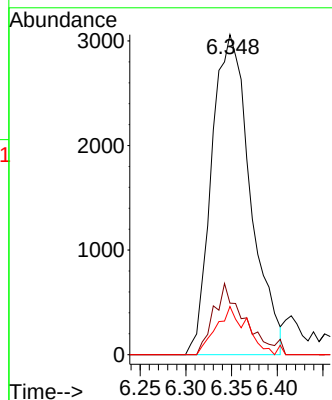
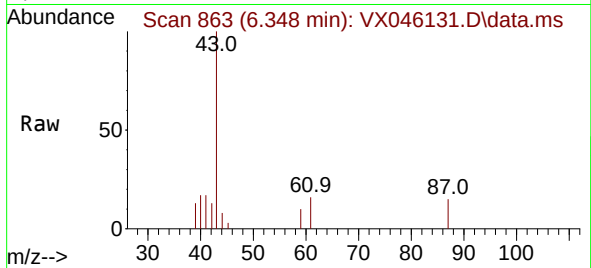




#43
Isopropyl Acetate
Concen: 3.553 ug/l
RT: 6.348 min Scan# 81
Delta R.T. 0.012 min
Lab File: VX046131.D
Acq: 12 May 2025 12:26

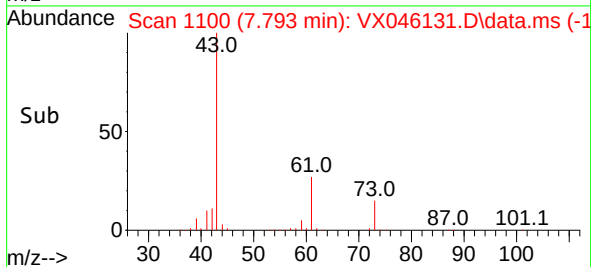
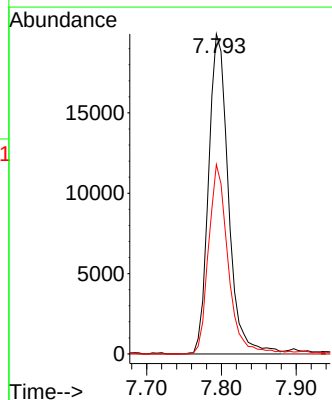
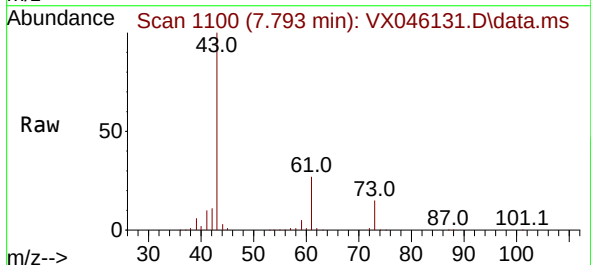
Instrument :
MSVOA_X
ClientSampleId :
OR-636-COMP-01

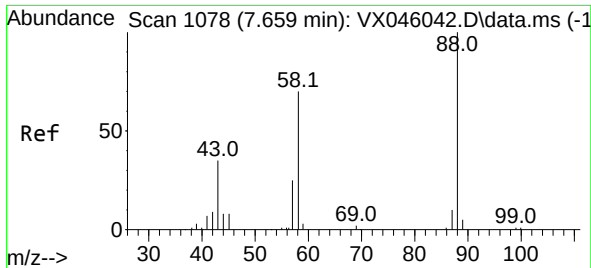
Tgt Ion: 43 Resp: 9025
Ion Ratio Lower Upper
43 100
61 18.0 14.3 21.5
87 11.9 9.5 14.3



#48
Methyl methacrylate
Concen: 28.270 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.103 min
Lab File: VX046131.D
Acq: 12 May 2025 12:26

Tgt Ion: 41 Resp: 36669
Ion Ratio Lower Upper
41 100
69 0.0 58.5 87.7#
39 58.7 51.7 77.5

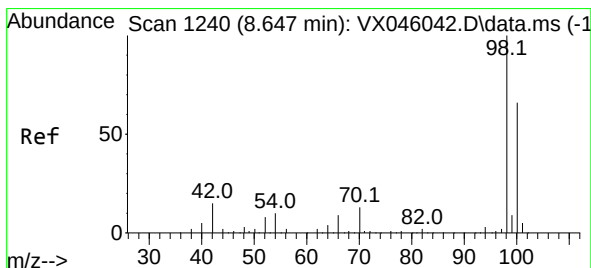
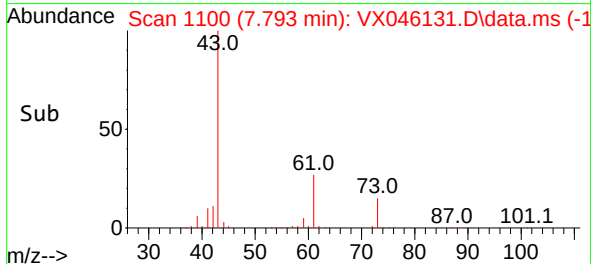
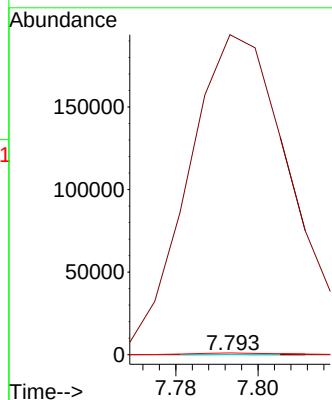
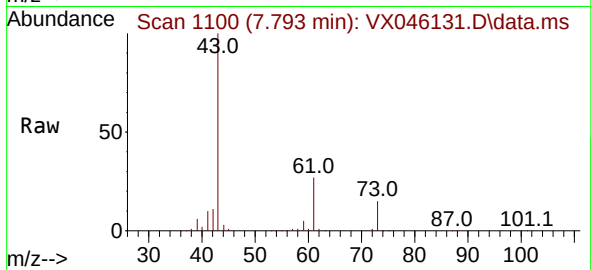




#49
1,4-Dioxane
Concen: 1.056 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.134 min
Lab File: VX046131.D
Acq: 12 May 2025 12:26

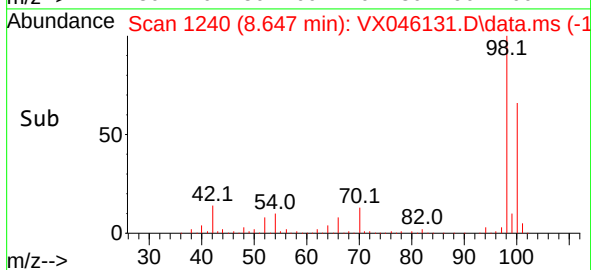
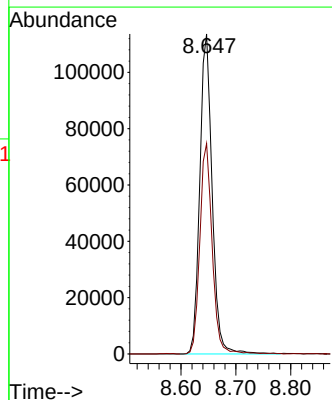
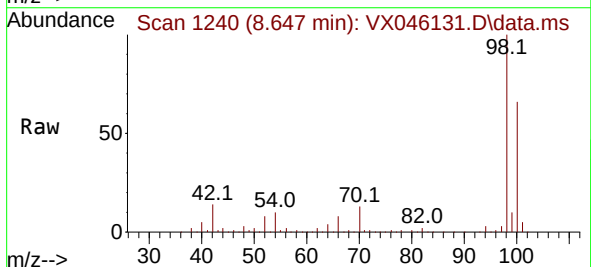
Instrument :
MSVOA_X
ClientSampleId :
OR-636-COMP-01

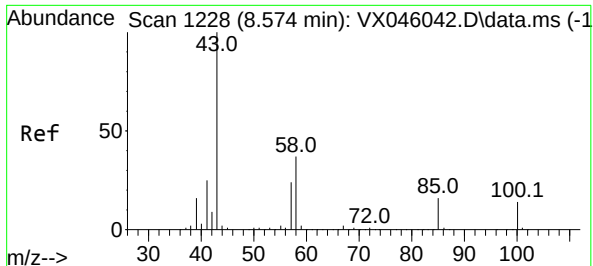
Tgt Ion: 88 Resp: 26
Ion Ratio Lower Upper
88 100
43 1371326.9 33.4 50.2#
58 6415.4 58.6 88.0#



#50
Toluene-d8
Concen: 51.308 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX046131.D
Acq: 12 May 2025 12:26

Tgt Ion: 98 Resp: 178099
Ion Ratio Lower Upper
98 100
100 65.8 53.5 80.3

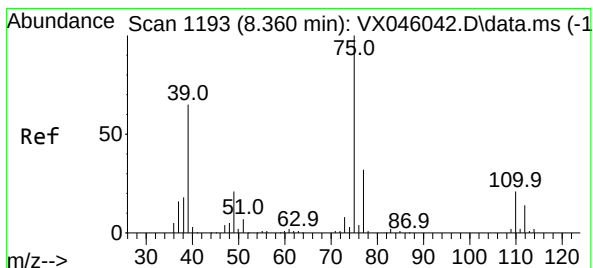
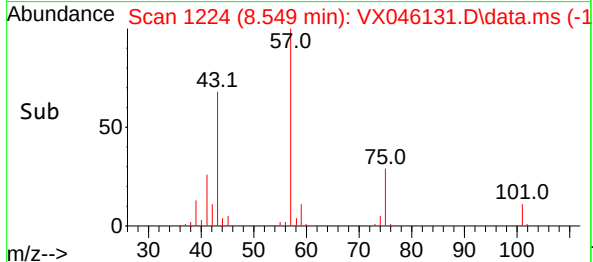
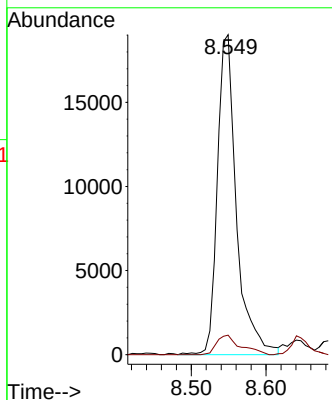
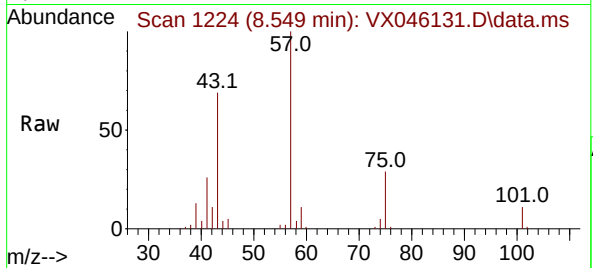




#51
4-Methyl-2-Pentanone
Concen: 20.057 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.025 min
Lab File: VX046131.D
Acq: 12 May 2025 12:26

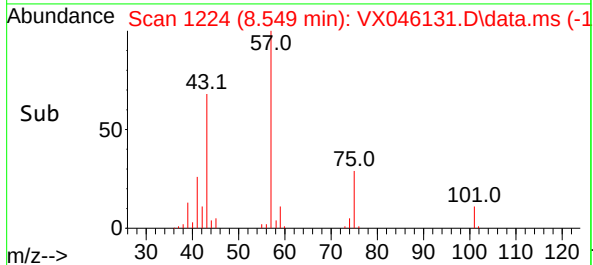
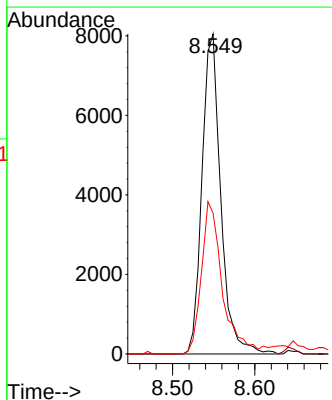
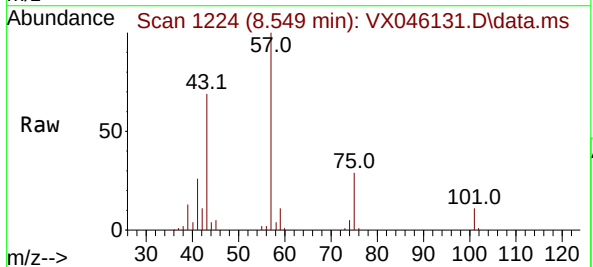
Instrument :
MSVOA_X
ClientSampleId :
OR-636-COMP-01

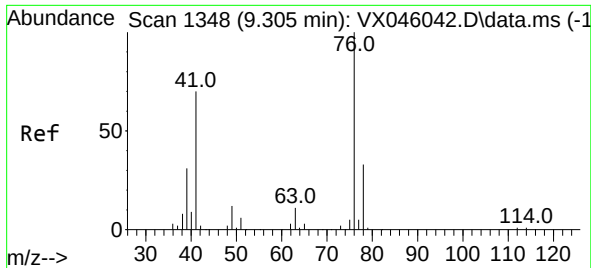
Tgt Ion: 43 Resp: 33813
Ion Ratio Lower Upper
43 100
58 7.6 28.9 43.3#



#54
cis-1,3-Dichloropropene
Concen: 8.519 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.189 min
Lab File: VX046131.D
Acq: 12 May 2025 12:26

Tgt Ion: 75 Resp: 12759
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#
39 44.0 52.2 78.4#





#57

1,3-Dichloropropane

Concen: 0.669 ug/l

RT: 9.482 min Scan# 11

Delta R.T. 0.177 min

Lab File: VX046131.D

Acq: 12 May 2025 12:26

Instrument :

MSVOA_X

ClientSampleId :

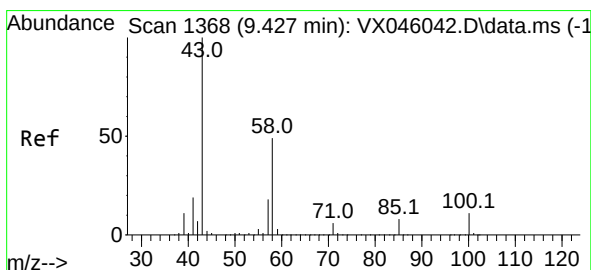
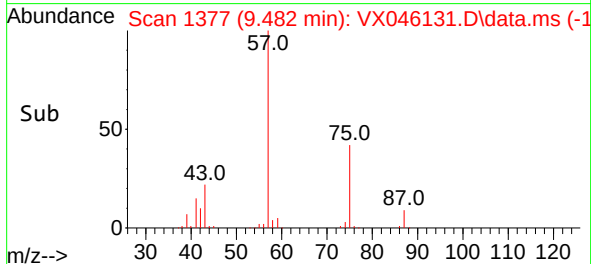
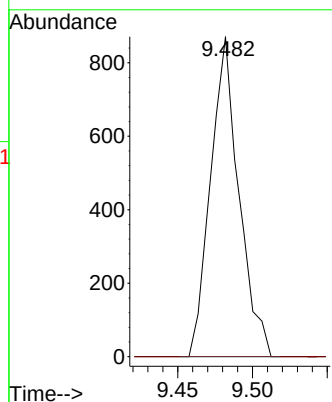
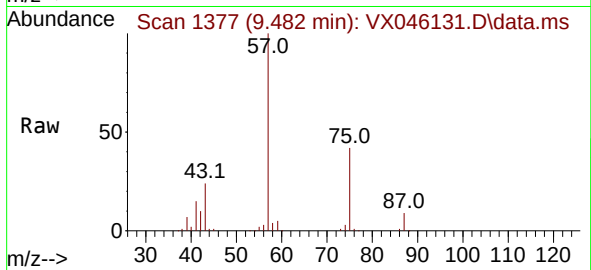
OR-636-COMP-01

Tgt Ion: 76 Resp: 1147

Ion Ratio Lower Upper

76 100

78 0.0 26.3 39.5#



#59

2-Hexanone

Concen: 8.430 ug/l

RT: 9.372 min Scan# 1359

Delta R.T. -0.055 min

Lab File: VX046131.D

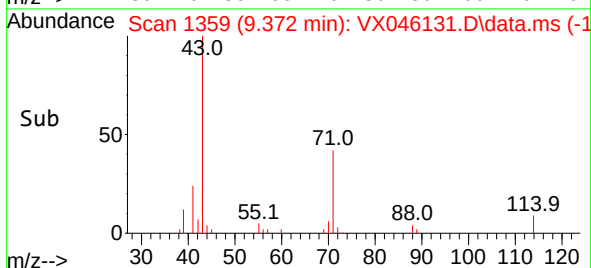
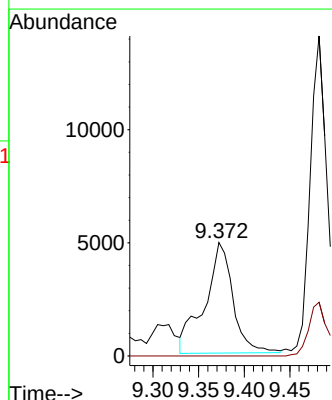
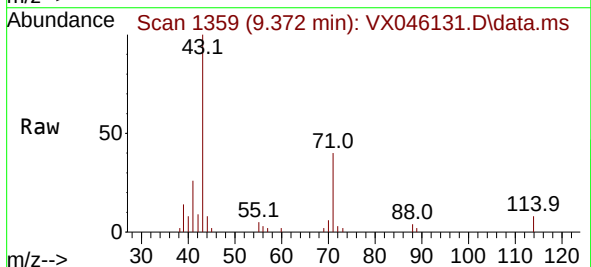
Acq: 12 May 2025 12:26

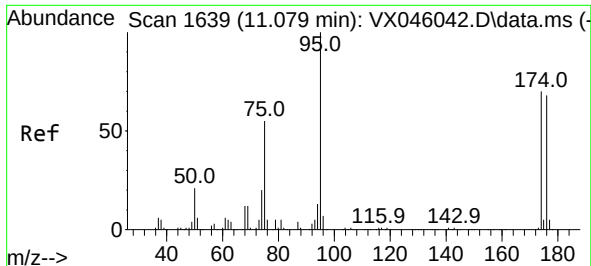
Tgt Ion: 43 Resp: 10515

Ion Ratio Lower Upper

43 100

58 0.0 24.9 74.6#





#62

4-Bromofluorobenzene

Concen: 50.365 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX046131.D

Acq: 12 May 2025 12:26

Instrument :

MSVOA_X

ClientSampleId :

OR-636-COMP-01

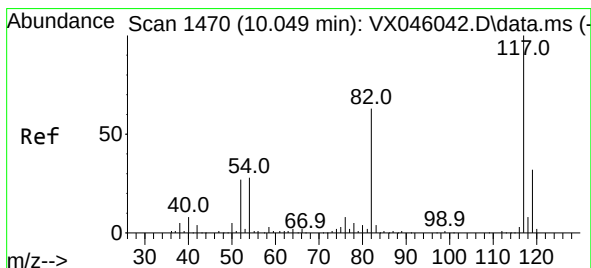
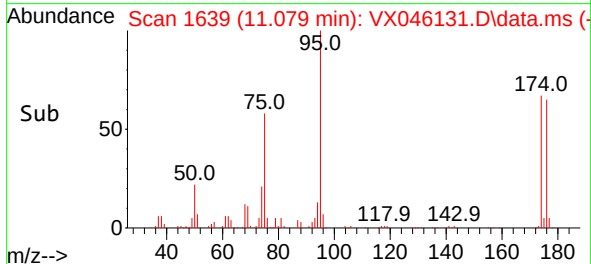
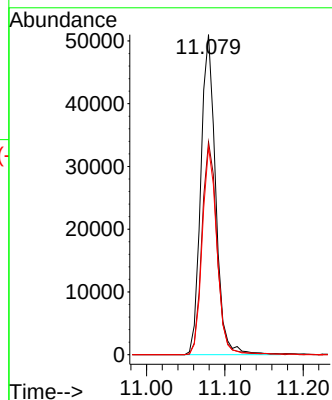
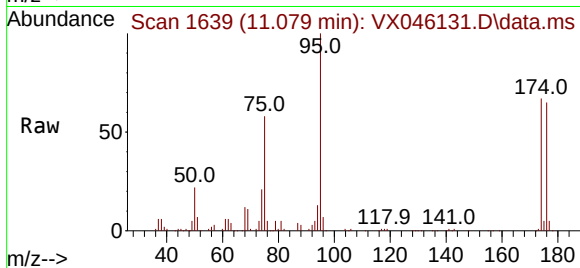
Tgt Ion: 95 Resp: 67060

Ion Ratio Lower Upper

95 100

174 67.4 0.0 135.8

176 64.3 0.0 131.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.049 min Scan# 1470

Delta R.T. -0.000 min

Lab File: VX046131.D

Acq: 12 May 2025 12:26

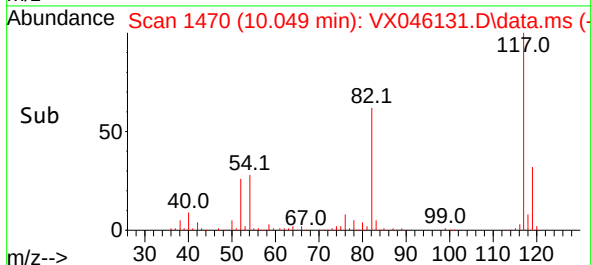
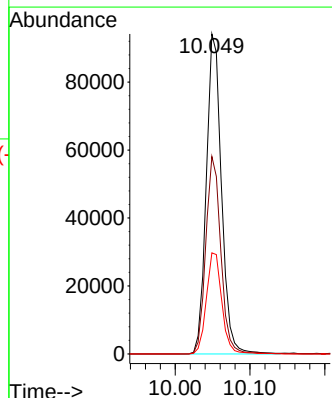
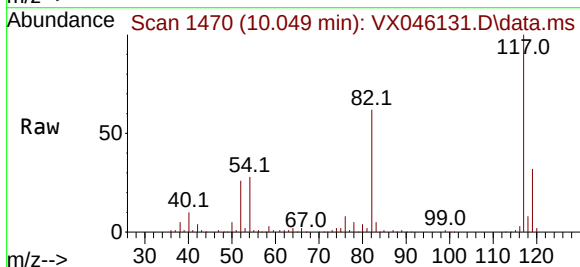
Tgt Ion: 117 Resp: 132799

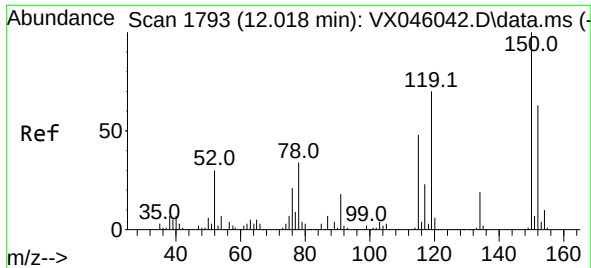
Ion Ratio Lower Upper

117 100

82 61.7 50.6 76.0

119 31.6 25.8 38.6

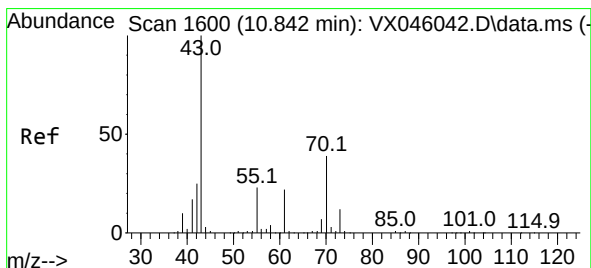
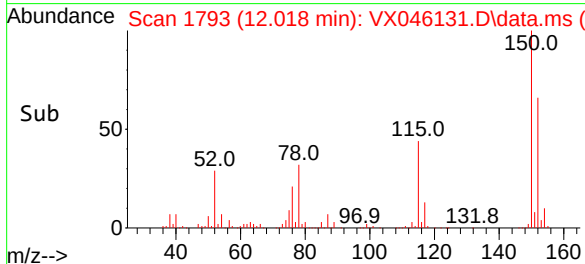
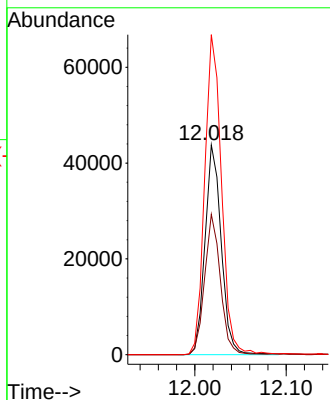
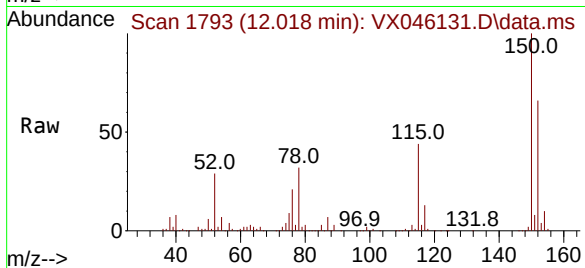




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046131.D
Acq: 12 May 2025 12:26

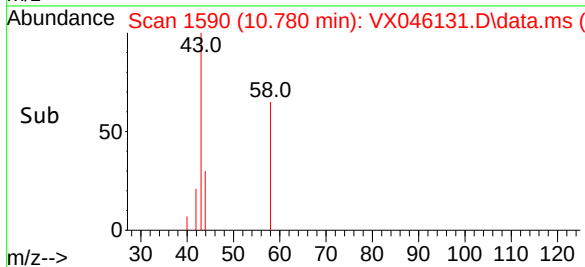
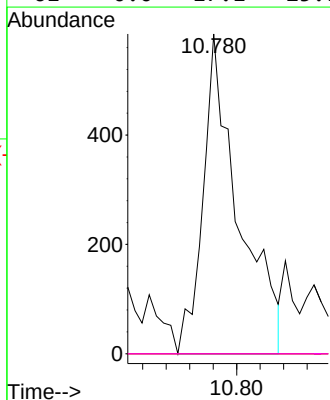
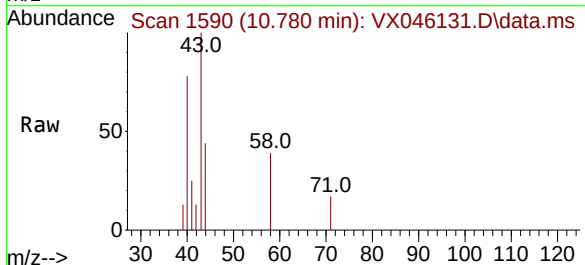
Instrument :
MSVOA_X
ClientSampleId :
OR-636-COMP-01

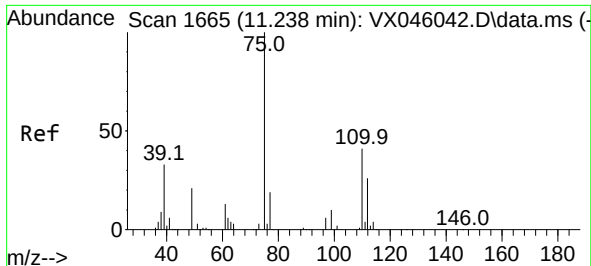
Tgt Ion:152 Resp: 53849
Ion Ratio Lower Upper
152 100
115 65.3 46.9 140.7
150 157.9 0.0 351.0



#74
N-ethyl acetate
Concen: 0.593 ug/l
RT: 10.780 min Scan# 1590
Delta R.T. -0.061 min
Lab File: VX046131.D
Acq: 12 May 2025 12:26

Tgt Ion: 43 Resp: 1228
Ion Ratio Lower Upper
43 100
70 0.0 30.9 46.3#
55 0.0 18.7 28.1#
61 0.0 17.1 25.7#

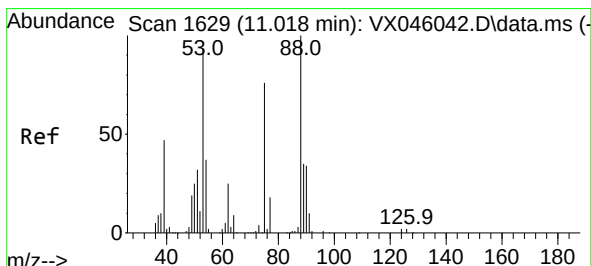
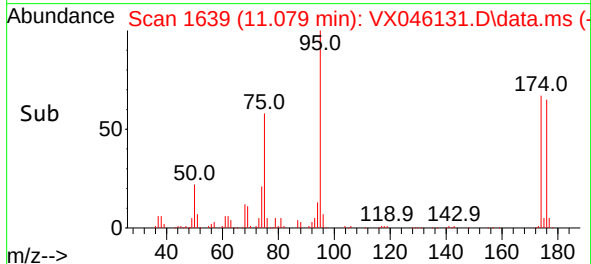
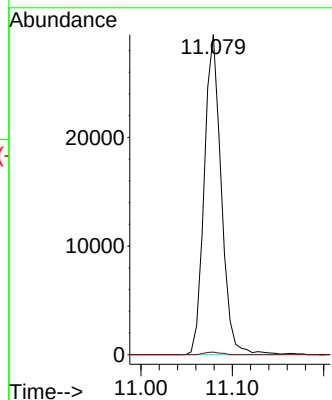
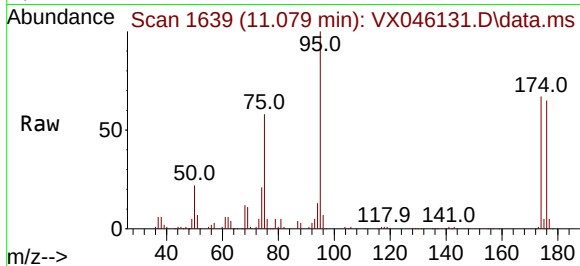




#76
1,2,3-Trichloropropane
Concen: 29.275 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX046131.D
Acq: 12 May 2025 12:26

Instrument :
MSVOA_X
ClientSampleId :
OR-636-COMP-01

Tgt Ion: 75 Resp: 37945
Ion Ratio Lower Upper
75 100
77 0.8 20.5 61.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 95.309 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX046131.D
Acq: 12 May 2025 12:26

Tgt Ion: 75 Resp: 37945
Ion Ratio Lower Upper
75 100
53 0.0 100.5 150.7#
89 0.0 37.0 55.6#

